

Datasheet for ABIN7583293

MHC, Class I Protein (AA 24-297, Tetramer) (PE,His-Avi Tag)



[Go to Product page](#)

Overview

Quantity:	100 µg
Target:	MHC, Class I
Protein Characteristics:	AA 24-297, Tetramer
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This MHC, Class I protein is labelled with PE,His-Avi Tag.

Product Details

Purpose:	PE-Labeled Mouse H-2K(b)&B2M&OVA (SIINFEKL) Tetramer Protein
Sequence:	His24-Pro297(H-2K(b)), Ile21-Met119(B2M) and SIINFEKL peptide
Characteristics:	Recombinant PE-Labeled Mouse H-2K(b)&B2M&OVA (SIINFEKL) Tetramer Protein is expressed from HEK293 with His tag and Avi tag at the C-Terminus. PE-Labeled Mouse H-2K(b)&B2M&OVA (SIINFEKL) Tetramer is assembled by biotinylated monomer and PE-labeled streptavidin. It contains His24-Pro297 (H-2K(b)), Ile21-Met119 (B2M) and SIINFEKL peptide.
Sterility:	0.22 µm filtered
Endotoxin Level:	Less than 1EU per µg by the LAL method.

Target Details

Target:	MHC, Class I
Alternative Name:	H-2K (MHC, Class I Products)

Target Details

Background:	Ovalbumin (OVA) has been historically a popular source of such antigens, since OVA can induce both humoral and cellular immune responses based on well-characterised peptide epitopes. The OVA257-264 octapeptide was one of the first OVA epitopes to be characterised, it has an amino acid sequence SIINFEKL, which is recognised by cytotoxic T lymphocytes. SIINFEKL forms fibrillar assemblies similar to other peptide hydrogels. The immunoactive properties of this peptide can therefore be related to its self-assembling nature.
-------------	--

Application Details

Restrictions:	For Research Use only
---------------	-----------------------

Handling

Format:	Liquid
Buffer:	Supplied as 0.22 µm filtered solution in PBS, 0.2 % BSA (pH 7.4).
Storage:	-80 °C
Storage Comment:	Valid for 12 months from date of receipt when stored at -80°C., Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.
Expiry Date:	12 months